

What is claimed is:

1. A solid herbicidal formulation of N-(phosphonomethyl)glycine, in powder, granule or flake form, soluble or dispersible in water, comprising Glyphosate (N-(phosphonomethyl)glycine) in the form of hydrosoluble salt and 5% to 30% in weight of one or more hydrosoluble tensioactive agents, which are compatible with Glyphosate and solids at ambient temperature, preferably at about 25 °C.

2. The formulation in accordance with claim 1, wherein the solid tensioactive agent or agents at 25 °C is/are selected from the following chemical families:

- Alkanolamides
- Alkyl aryl sulfonates
- Sulfonated amines and amides
- Ethoxylated alkylphenols
- Carboxylated alcohols
- Ethoxylated fatty acids
- Ethoxylated alcohols
- Sulfated alcohols
- Sugar and Glucose Derivatives
- Sorbitol Derivatives
- Phosphate esters
- Imidazoline and its derivatives
- Lecithin and its derivatives
- Lignin and its derivatives
- Polymer block (ethylene and propylene oxide)

- Ethoxylated alcohol sulfates
- Fatty acid sulfates
- Naphthalene and alkyl naphthalene sulfonates
- Dodecyl and tridecylbenzene sulfonates
- Taurates and their derivatives

3. The formulation in accordance with claim 1, wherein the formulation contains the ammonium, sodium, or potassium salt of Glyphosate.

4. The formulation in accordance with claim 1, wherein the formulation contains between 5% and 30% in weight of the humectant.

5. The formulation in accordance with claim 1, wherein the melting point of the tensioactive agents is higher than 30 °C.

6. A process for the preparation of the herbicidal formulations in accordance with claim 1, comprising the steps of:

(a) mixing N-(phosphonomethyl)glycine with an equimolar quantity of the neutralization base and between 5% and 30% in weight of the solid tensioactive agent of the dry weight of the final mixture, at 25 °C.

(b) kneading or mixing the resulting formulation until the mixture is completely homogenized, and

(c) processing the resulting mixture until obtaining the desired formulation, in powder, granules, or flakes.

7. The process in accordance with claim 6, wherein the step (c) further includes the steps of:

extruding the homogeneous mixture and drying the resulting pellets up to a moisture content of  $\leq 0.5\%$  in weight.

- 5 8. The process in accordance with claim 6, wherein the step (c) further includes the steps of:

drying the homogeneous mixture up to a moisture content of  $\leq 0.5\%$  in weight and grinding the resulting product up to the desired granulometry.

- 10 9. The process in accordance with claim 6, wherein the step (c) further includes the steps of:

granulating the homogeneous mixture up to the desired distribution of sizes and drying the granules obtained up to a moisture content of  $\leq 0.5\%$  in weight.